



105J SHELDON LAKE	105I LITTLE NAHANNI RIVER	095L GLACIER LAKE
105G FINLAYSON LAKE	105H THIS MAP	095E FLAT RIVER
105B WOLF LAKE	105A WATSON LAKE	095D COAL RIVER

W Skarn Deposits

Weighted sums model

(Principal Component Residuals)

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SCALE 1:250 000

kilometres

Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 2015
FOR CENTRE OF MAP

ECEND

- Town
 - ▲ Mineral Occurrence
 - Road
 - Contour
 - ~ River
 - NTS map sheet
 - WP Water Body
 - W Wetland
 - Sample Location
 - WP Catchment

REFERENCES

- Hornbrook, E.H.W. and Friske, P.W.B., 1988. Regional stream sediment and water geochemical data, southeastern Yukon (NTS 105H). Geological Survey of Canada, Open File 1649.

Mackie, R., Arne, D. and Brown, O., 2015. Enhanced interpretation of regional stream sediment (RGS) geochemical data from Yukon: catchment basin analysis and weighted sums modeling. Yukon Geological Survey, Open File 2015-10.

McCurdy, M.W., Day, S.J.A., Friske, P.W.B., McNeil, R.J. and Hornbrook, E.H.W., 2009. Regional Stream Sediment and Water Geochemical Data, Frances Lake area, southeastern Yukon (NTS 105H). Geological Survey of Canada, Open File 6043, Yukon Geological Survey Open, File 2009-1.

Yukon MINFILE, 2015. Yukon MINFILE – A database of mineral occurrences. Yukon Geological Survey, www.data.geology.gov.yk.ca, accessed May 2015.

Table 1: List of Mineral Occurrences for NTS map sheet 105H (Yukon MINFILE, 2015)

Number	Name	Type	Status	Commodities
105H 001	JAN	Skarn Cu	Prospect	Copper, Gold
105H 002	MIDAS	Skarn Cu	Showing	Copper, Zinc, Lead, Silver
105H 003	KEE	Unknown	Unknown	
105H 004	COX	Vein Polymetallic Ag-Pb-Zn±Au	Unknown	Lead, Silver, Zinc
105H 005	FLIP	Skarn Pb-Zn	Drilled Prospect	Copper, Lead, Tungsten, Zinc, Silver, Gold
105H 006	DC	Skarn Pb-Zn	Drilled Prospect	Copper, Silver, Lead, Zinc
105H 007	VAGAS	Unknown	Anomaly	Lead, Zinc
105H 008	MIKO	Skarn Pb-Zn	Drilled Prospect	Copper, Silver, Zinc, Gold, Lead
105H 009	GLENNA	Skarn Pb-Zn	Drilled Prospect	Lead, Zinc, Silver
105H 010	STEELE	Skarn Pb-Zn	Showing	Copper, Silver, Zinc, Lead
105H 011	MAX	Skarn Pb-Zn	Drilled Prospect	Copper, Gold, Lead, Silver, Tungsten, Zinc
105H 012	KLATZA	Unknown	Anomaly	Tungsten
105H 013	FRANCES	Vein Cu±Ag Quartz	Showing	Copper
105H 014	LIND	Ultramafic Mafic Jade (Nephrite)	Producer	Jade/Nephrite
105H 015	DOUG	Vein Cu±Ag Quartz	Showing	Copper
105H 016	TUCHITUA	Ultramafic Mafic Jade (Nephrite)	Past Producer	Chrysotile, Gold, Lead, Silver, Zinc, Jade/Nephrite, Copper
105H 017	EAST ARM	Unknown	Showing	
105H 018	GALE	Skarn Pb-Zn	Prospect	Copper, Silver, Zinc, Lead
105H 019	MAY	Skarn Pb-Zn	Showing	Cobalt, Copper, Molybdenum, Nickel, Zinc, Silver, Gold
105H 020	MAPEL	Vein Polymetallic Ag-Pb-Zn±Au	Showing	Copper, Lead, Gold, Silver, Zinc
105H 021	MATT BERRY	Volcanogenic Massive Sulphide (VMS) Kuroko Cu-Pb-Zn	Deposit	Gold, Lead, Zinc, Antimony, Silver
105H 022	FLUKE	Skarn Pb-Zn	Showing	Lead, Silver, Zinc
105H 023	LUCY	Unknown	Unknown	
105H 024	CANYON	Skarn Pb-Zn	Drilled Prospect	Gold, Zinc, Lead, Silver
105H 025	STU	Skarn W	Showing	Copper
105H 026	TERRY	Skarn W	Prospect	Tungsten
105H 027	CORRIE	Unknown	Drilled Prospect	Bismuth, Zinc, Silver, Nickel, Copper, Gold
105H 028	BLACK JACK	Skarn Pb-Zn	Drilled Prospect	Bismuth, Gold, Silver, Zinc, Lead, Cadmium
105H 029	FIR TREE	Skarn Pb-Zn	Drilled Prospect	Copper, Zinc, Silver, Gold, Lead
105H 030	MONTSE	Skarn W	Unknown	Tungsten
105H 031	RON	Skarn Pb-Zn	Prospect	Cadmium, Lead, Silver, Zinc, Copper, Gold
105H 032	HELEN	Skarn W	Unknown	Bismuth, Silver, Tungsten, Gold
105H 033	BROD	Skarn Pb-Zn	Prospect	Lead, Zinc, Silver
105H 034	NEEBING	Plutonic Related Au	Showing	Gold, Arsenic, Lead
105H 035	JUSTIN	Plutonic Related Au	Drilled Prospect	Copper, Gold, Tungsten, Silver, Lead, Molybdenum, Zinc, Bismuth, Arsenic
105H 036	ROAD	Vein Au-Quartz	Drilled Prospect	Arsenic, Silver, Gold
105H 037	TOY	Skarn Pb-Zn	Showing	Copper, Lead, Silver, Zinc, Gold
105H 040	CREE	Skarn Mo	Showing	Molybdenum
105H 041	BR	Skarn W	Showing	Copper, Tungsten
105H 042	TANYA	Skarn W	Drilled Prospect	Copper, Silver, Zinc, Tungsten, Lead
105H 043	GUY	Skarn W	Showing	Copper, Tungsten
105H 044	RENA	Porphyry Mo (Low F-Type)	Showing	Molybdenum, Tungsten
105H 045	FULCHER	Unknown	Anomaly	Lead, Zinc
105H 046	TUSTLES	Unknown	Anomaly	Copper
105H 047	FIN	Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)	Drilled Prospect	Barite, Zinc, Lead, Silver
105H 048	TED	Vein Barite	Prospect	Barite, Silver, Zinc, Gold, Lead
105H 049	NARCHILLA	Skarn W	Prospect	Copper, Silver, Zinc, Gold, Lead
105H 050	LEE	Skarn Pb-Zn	Drilled Prospect	Copper, Zinc, Lead, Silver
105H 051	YUSEZYU	Skarn W	Showing	Copper, Tungsten
105H 052	DODGE	Skarn Mo	Showing	Molybdenum, Tungsten
105H 053	TILLEI	Porphyry Mo (Low F-Type)	Showing	Lead, Molybdenum, Zinc, Tungsten
105H 054	HITCH-HIKER	Manto Polymetallic Ag-Pb-Zn	Showing	Lead, Zinc, Copper, Silver
105H 055	ZEUS	Skarn W	Showing	Copper, Silver, Tungsten, Zinc, Lead
105H 056	CARBIDE	Skarn W	Showing	Molybdenum, Tungsten
105H 057	RICARDO	Unknown	Anomaly	
105H 058	ALM	Skarn Pb-Zn	Unknown	
105H 059	BUS	Skarn W	Prospect	Copper, Molybdenum, Tungsten, Zinc
105H 064	MARKHAM	Skarn Pb-Zn	Showing	Copper, Zinc, Lead
105H 066	3ACE	Plutonic Related Au	Drilled Prospect	Gold, Arsenic
105H 067	GOLDEN CULVERT	Orogenic Au	Showing	Gold, Arsenic
105H 068	SUSAN	Skarn W	Drilled Prospect	Copper, Silver, Tungsten, Zinc, Lead
105H 070	CALI	Skarn W	Drilled Prospect	Copper, Silver, Tungsten
105H 072	WOAH	Skarn W	Drilled Prospect	Tungsten
105H 073	TAI	Skarn W	Drilled Prospect	Tungsten
105H 075	MAXI	Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)	Drilled Prospect	Barite, Gypsum, Lead, Silver, Zinc, Copper
105H 077	ZEUT	Skarn W	Showing	Tungsten
105H 078	JULIA	Volcanogenic Massive Sulphide (VMS) Besshi Cu-Zn	Drilled Prospect	Copper, Gold, Silver, Zinc
105H 079	TINY	Unknown	Unknown	
105H 080	KNEIL	Vein Polymetallic Ag-Pb-Zn±Au	Showing	Copper, Silver, Zinc, Lead
105H 081	TYERS	Vein Cu±Ag Quartz	Showing	Copper
105H 082	TUNA	Porphyry Mo (Low F-Type)	Showing	Antimony, Gold, Silver, Tungsten, Molybdenum, Copper, Arsenic, Bismuth
105H 084	CHAP	Skarn W	Showing	Copper, Tungsten, Zinc, Lead
105H 085	BEANS	Unknown	Unknown	
105H 086	CERRO	Skarn W	Showing	Copper, Tungsten, Molybdenum
105H 087	MIG	Unknown	Unknown	Zinc
105H 088	BILLINGS	Skarn W	Showing	Molybdenum, Tungsten
105H 089	WO	Skarn Pb-Zn	Showing	Lead, Zinc
105H 090	WE	Skarn W	Showing	Lead, Zinc, Tungsten
105H 091	PINK	Skarn Cu	Showing	Copper
105H 092	SHAN	Skarn Pb-Zn	Showing	Lead, Zinc, Tungsten
105H 093	SEBASTIAN	Skarn Pb-Zn	Showing	Lead, Tungsten, Zinc
105H 094	MT. BILLINGS	Skarn Pb-Zn	Showing	Lead, Tungsten, Zinc
105H 095	COME	Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)	Showing	Zinc
105H 096	MCPHERSON	Skarn Pb-Zn	Showing	Copper, Silver, Zinc, Lead
105H 097	TUS	Porphyry Mo (Low F-Type)	Showing	Molybdenum, Tungsten
105H 098	ANDERSON	Skarn W	Showing	Tungsten
105H 099	BROTEX	Skarn W	Showing	Tungsten
105H 100	MINI	Skarn W	Showing	Tungsten
105H 102	FER	Vein Au-Quartz	Showing	Arsenic, Lead, Zinc, Copper, Gold
105H 103	SPRAGUE	Vein Au-Quartz	Prospect	Cold, Bismuth, Arsenic, Antimony

RECOMMENDED CITATION

MACKIE, R., ARNE, D. AND PENNIMPEDE, C., 2015. Weighted sums model for W Skarn deposits using principal component residuals. In: Enhanced interpretation of stream sediment geochemical data for NTS 105H. Yukon Geological Survey, Open File 2015-27, scale 1:250 000, sheet 14 of 15.

Catchment basin polygons generated by the Yukon Geological Survey (J. O. Bruce).

Any revisions or additional geological information known to the user would be welcomed by the Yukon Geological Survey.

Paper copies of this map and the accompanying report may be purchased from the Yukon Geological Survey, Energy, Mines and Resources, Government of Yukon, Room 102-300 Main St., Whitehorse, Yukon, Y1A 2B5. Ph. 867-667-3201, Email geology@gov.yk.ca.

A digital PDF (Portable Document File) file of this map may be downloaded free of charge from the Yukon Geological Survey website: <http://www.geology.gov.yk.ca>.

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Energy, Mines and Resources
Government of Yukon

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Weighted sums model for W Skarn deposits using principal component residuals (NTS 105H)

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by